

For Research Use Only

Anti-Mouse CD324 (E-cadherin) Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98140-1-PBS



Basic Information

Catalog Number: 98140-1-PBS	GenBank Accession Number: NM_009864.3	Purification Method: Protein A purification
Size: 1mg, 2 mg/ml	GeneID (NCBI): 12550	CloneNo.: 241282C1
Source: Rabbit	UNIPROT ID: P09803	
Isotype: IgG	Full Name: cadherin 1	
	Calculated MW: 98kDa	

Applications

Tested Applications:
FC

Species Specificity:
mouse, canine

Background Information

Cadherins are a family of transmembrane glycoproteins that mediate calcium-dependent cell-cell adhesion and play an important role in the maintenance of normal tissue architecture. E-cadherin (epithelial cadherin), also known as CD324, CDH1 (cadherin 1) or CAM 120/80, is a classical member of the cadherin superfamily which also include N-, P-, R-, and B-cadherins. E-cadherin is expressed on the cell surface in most epithelial tissues. The extracellular region of E-cadherin establishes calcium-dependent homophilic trans binding, providing specific interaction with adjacent cells, while the cytoplasmic domain is connected to the actin cytoskeleton through the interaction with p120-, α -, β -, and γ -catenin (plakoglobin). E-cadherin is important in the maintenance of the epithelial integrity, and is involved in mechanisms regulating proliferation, differentiation, and survival of epithelial cell. E-cadherin may also play a role in tumorigenesis. It is considered to be an invasion suppressor protein and its loss is an indicator of high tumor aggressiveness.

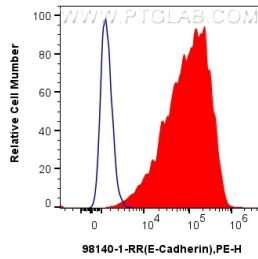
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

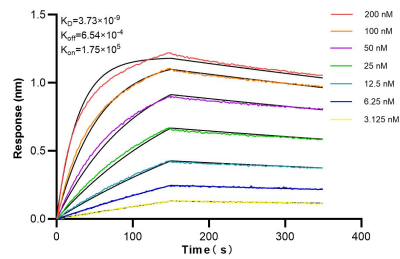
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Selected Validation Data



1×10^6 MDCK cells were surface stained with 0.25 μ g Anti-Mouse CD324 (E-cadherin) Rabbit Recombinant Antibody (98140-1-RR, Clone:241282C1) (red) or Isotype Control (blue) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98140-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 98140-1-RR against Mouse CD324 (E-cadherin) were performed. The affinity constant is 3.73 nM.